

SION POWER CORPORATION

Job Posting

Job Title: Senior Vacuum Technician

Department: Anode Development

Sion Power, the global leader in the development of a new generation of high-energy, rechargeable lithium batteries for portable power is currently searching for a **Vacuum Deposition Process Engineer** to be based at its research and development facility in Tucson, Arizona. Sion's exciting new technology is based on the elements lithium and sulfur which combined yield a battery system with the highest theoretical gravimetric and volumetric energy densities of any battery couple and offer significant improvements in performance over current rechargeable batteries.

SUMMARY

Position will provide a leadership role in anode development by operating vacuum deposition process in support of research and development activities on Li-S battery cells. This includes leading the operation of the vacuum chamber to produce anode, acquiring data, testing, reporting and implementing process improvement while conducting a variety of experiments to develop new deposition processes for cell designs to meet product requirements and specifications.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Supervise deposition and coating processes for electrodes; assist with experiments and trials to verify results; document and implement process improvements.
- Provide evaluation of equipment and tooling; make recommendations for improvements of electrode manufacturing and processing.
- Compile, store, retrieve and analyze test data, work with engineers and researchers to analyze results or provide data to the requestor.
- Ensure machines and equipment meets operational performance and is utilized efficiently. Assist with resolution of fabrication and maintenance problems to ensure effective utilization and prevent delays in the R&D effort.
- Ensure work practices and activities are safe and observe co-workers to ensure compliance with environmental, safety and health standards.
- Maintain supplies and process technology requirements in the department providing improvements as needed. May be responsible for implementing these improvements as approved.
- Other duties as assigned.

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and EXPERIENCE

Bachelor's degree in material science, chemical engineering or other related technical area highly desired. Minimum of four (4) years of industrial or research experience in vacuum industry.

LANGUAGE SKILLS

Must possess ability to speak and understand English in a manner that is sufficient for effective communication with supervisors, employees, beneficiaries and customers, based on the assumption that such individuals can only speak and understand English. This includes the ability to present information and data to small and mid-sized groups of people.

PHYSICAL DEMANDS

The employee must be capable of working in areas with chemicals or materials that may be considered hazardous while wearing all required personal protective equipment.

WORK ENVIRONMENT

This position requires working in controlled locations specifically where there is potential exposure to chemical, mechanical, and electrical hazards. Individual will be required to work in an office sitting at a computer as well as in laboratory and an environmentally controlled dry room. The position may also require the handling of electrically charged cells and the ability to work quickly, accurately, and safely in this type of environment.

Tucson is Arizona's second largest city and is the hub of activity and commerce for southern Arizona, one of the fastest growing states in the U.S. The metropolitan Tucson area has a population of almost one million people, is home to the University of Arizona and a center for optic, biotech and other high technology research and industries. Sion Power Corporation is a spin-off of Brookhaven National Laboratories.

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